T Number	l ui+c	Coarch Mout	LDB	Trimo otama
L Number	12137	Search Text alternat\$5 near7 (scan or scanning)	DB USPAT;	Time stamp 2002/07/03 16:19
-	1213/	arcernacys hear, (scan or scanning)	EPO; JPO	2002/01/03 10:19
_	106924	data near8 block\$1	·	2002/07/03 16:20
-	100924	data Heare Diocksi	USPAT;	2002/07/03 16:20
	۸ ا	10065- 0000250 6250600	EPO; JPO	2002/07/02 16:22
-	0	1996fr-0000259.ap. same 6359608.pn.	USPAT;	2002/07/03 16:22
	1 100	(-3	EPO; JPO	0000/07/00 16 00
-	122	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2002/07/03 16:22
	46050	(data near8 block\$1)	EPO; JPO	0000 (07 (00 16 00)
_	46059	345/\$.ccls.	USPAT;	2002/07/03 16:22
		//-14	EPO; JPO	0000 (07 (05 10 00
_	20	1	USPAT;	2002/07/05 13:09
	,	same (data near8 block\$1)) and 345/\$.ccls.	EPO; JPO	
-	1	5880707.pn.	USPAT;	2002/07/03 17:50
			EPO; JPO	0000/05/05 10 10
-	89	opposit near7 direction\$1	USPAT;	2002/07/05 13:10
	41.0000		EPO; JPO	0000/07/05 12 10
_	416820	opposite near7 direction\$1	USPAT;	2002/07/05 13:10
	202405		EPO; JPO	
_	292405	scanning	USPAT;	2002/07/05 13:13
	2121		EPO; JPO	
-	3131	scanning with (opposite near7 direction\$1)	USPAT;	2002/07/05 13:14
		245 (07, 102, 22)	EPO; JPO	0000/05/05
-	6821	345/87-102.ccls.	USPAT;	2002/07/05 13:14
		-	EPO; JPO	0000407455
-	50	(scanning with (opposite near7	USPAT;	2002/07/05 16:10
		direction\$1)) and 345/87-102.ccls.	EPO; JPO	0000405455
-	1	jp-93035221-\$.did.	DERWENT	2002/07/05 13:45
-	0	jp-9335221-\$.did.	DERWENT	2002/07/05 13:45
-	1		DERWENT	2002/07/05 13:48
-	34656		DERWENT	2002/07/05 13:49
-	37264		DERWENT	2002/07/05 13:49
-	0	(opposite near7 direction\$1) with ((left	DERWENT	2002/07/05 13:49
	_	adj5 right) or (right adj5 left))		
 -	0	scanning with ((left adj5 right) or (right	DERWENT	2002/07/05 13:50
		adj5 left))		
-	64308	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	DERWENT	2002/07/05 13:50
-	0	scanning same ((left adj5 right) or (right	DERWENT	2002/07/05 13:50
		adj5 left))		
-	0	(DERWENT	2002/07/05 13:51
		adj5 left))		
-	289745	left adj5 right	USPAT;	2002/07/05 13:51
			US-PGPUB;	
			EPO; JPO	
-	254353	right adj5 left	USPAT;	2002/07/05 13:51
			US-PGPUB;	
			EPO; JPO	
-	4699	scanning with ((left adj5 right) or (right	USPAT;	2002/07/05 13:52
		adj5 left))	US-PGPUB;	
			EPO; JPO	
] -	60	345/87-102.ccls. and (scanning with ((left	USPAT;	2002/07/05 13:52
[adj5 right) or (right adj5 left)))	US-PGPUB;	į l
]			EPO; JPO	
-	1439	(left adj5 right) same (right adj5 left)	USPAT;	2002/07/05 13:52
]		same scanning	US-PGPUB;	
]			EPO; JPO	
-	16	· · · · · · · · · · · · · · · · · · ·	USPAT;	2002/07/05 14:37
]		same (right adj5 left) same scanning)	US-PGPUB;	
		· · · · · · · · · · · · · · · · · · ·	EPO; JPO	
-	1682534	alternat\$5	USPAT;	2002/07/05 14:37
			US-PGPUB;	
1			EPO; JPO	
-	118	alternat\$5 with (scanning with (opposite	USPAT;	2002/07/05 14:38
		near7 direction\$1))	US-PGPUB;	
			EPO; JPO	
-	75116	345/\$.ccls. or 349/\$.ccls.	USPAT;	2002/07/05 14:38
	ĺ		US-PGPUB;	112,21,25 256
			EPO; JPO	
1 – I	9	(alternat\$5 with (scanning with (opposite	USPAT;	2002/07/05 14:41
į l		near7 direction(1))) and (345/\$.ccls. or	US-PGPUB;	
<u></u>		349/\$.ccls.)	EPO; JPO	

	170	1 ,	USPAT;	2002/07/05 14:42
		direction\$1)) and (345/\$.ccls. or	US-PGPUB;	
1		349/\$.ccls.)	EPO; JPO	
-	120	((scanning with (opposite near7	USPAT;	2002/07/05 14:52
		direction\$1)) and (345/\$.ccls. or	US-PGPUB;	
		349/\$.ccls.)) not ((scanning with	EPO; JPO	1
		(opposite near7 direction\$1)) and		1
	1150630	345/87-102.ccls.)		0000/07/05 14 50
-	1159632	block\$1	USPAT;	2002/07/05 14:53
			US-PGPUB;	
_	2065	345/87-102.ccls. and block\$1	EPO; JPO USPAT;	2002/07/05 14:53
	2003	343707-102.CC13. and block\$1	US-PGPUB;	2002/07/03 14:53
			EPO; JPO	
_	1526	345/98-100.ccls.	USPAT;	2002/07/05 14:53
		536,55 2553,5025	US-PGPUB;	2002/07/03 14:33
	1		EPO; JPO	
_	842	345/98-100.ccls. and block\$1	USPAT;	2002/07/05 14:54
			US-PGPUB;	
			EPO; JPO	
-	575	alternat\$5 and (345/98-100.ccls. and	USPAT;	2002/07/05 14:54
		block\$1)	US-PGPUB;	
			EPO; JPO	
-	0	(====================================	USPAT;	2002/07/05 14:55
		block\$1)) and @ad<01011998	US-PGPUB;	
			EPO; JPO	
-	400	(USPAT;	2002/07/05 16:07
		block\$1)) and @ad<19980101	US-PGPUB;	
			EPO; JPO	
-	111765	data near7 block\$1	USPAT;	2002/07/05 16:08
			US-PGPUB;	
	١ ,	(accoming with (account)	EPO; JPO	
-	9		USPAT;	2002/07/05 16:11
_	46	direction\$1)) same (data near7 block\$1)	EPO; JPO	0000/07/05 16 17
_	40	(to comment of the c	USPAT;	2002/07/05 16:17
		direction\$1)) same (left adj5 right) same (right adj5 left)	EPO; JPO	
_	272242	first near6 direction	USPAT;	2002/07/05 16:18
		TITUE MEGITO GITCECTON	EPO; JPO	2002/07/03 10.18
_	232171	second near6 direction	USPAT;	2002/07/05 16:19
			EPO; JPO	2002/01/03 10.13
-	355170	scan or scanning	USPAT;	2002/07/05 16:19
			EPO; JPO	
-	4497	(=====	USPAT;	2002/07/05 16:20
		direction) same (scan or scanning)	EPO; JPO	
-	79	345/87-102.ccls. and ((first near6	USPAT;	2002/07/05 16:55
		direction) same (second near6 direction)	EPO; JPO	
		same (scan or scanning))		
<u>-</u>	10070		USPAT	2002/07/05 16:27
⁻	19979	interlace\$1	USPAT;	2002/07/05 16:55
<u>_</u>	88690	different near5 direction\$1	EPO; JPO	2002/07/05 16 56
	00030	directing hears directions!	USPAT; EPO; JPO	2002/07/05 16:56
_	3094	(scan or scanning) with (different near5	USPAT;	2002/07/05 16.56
į i	5054	direction\$1)	EPO; JPO	2002/07/05 16:56
_	22	· ·	USPAT;	2002/07/05 17:04
		(different near5 direction\$1))	EPO; JPO	2002/07/03 17.04
-	1347	alternat\$5 near7 scan\$4 near7 direction\$1	USPAT;	2002/07/05 17:11
			EPO; JPO	=::::,::,::
[–	46059	345/\$.ccls.	USPAT;	2002/07/05 17:11
			EPO; JPO	
-	83		USPAT;	2002/07/05 17:12
		near7 direction\$1)	EPO; JPO	
-	17	(345/\$.ccls. and (alternat\$5 near7 scan\$4	USPAT;	2002/07/05 17:51
	_ !	near7 direction\$1)) and 345/87-102.ccls.	EPO; JPO	
-	1	Kisada	USPAT;	2002/07/05 17:52
_	0	Kosada	EPO; JPO	2002/03/25 == ==
	ا	Kesada	USPAT;	2002/07/05 17:52
_	200	kasada	EPO; JPO USPAT;	2002/07/05 17:52
	200	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	EPO; JPO	2002/01/03 11:52
L			110, 0EO	

-	46059	345/\$.ccls.	USPAT; EPO; JPO	2002/07/05 17:52
-	101	awad-\$.xa.	USPAT; EPO; JPO	2002/07/05 18:06
_	1	"5151689".PN.	USPAT	2002/07/05 17:57
_	ī	"5959603".PN.	USPAT	2002/07/05 17:58
l _	ī	"5949398".PN.	USPAT	2002/07/05 17:58
_	l ī	"5867138".PN.	USPAT	2002/07/05 17:59
_	1	"5731796".PN.	USPAT	2002/07/05 17:59
_	1	"5510748".PN.	USPAT	2002/07/05 17:59
l <u>-</u>	24335		USPAT;	2002/07/05 18:07
		,	EPO; JPO	
-	19206	second near5 scanning	USPAT; EPO; JPO	2002/07/05 18:08
-	856	alternat\$5 same (first near5 scanning) same (second near5 scanning)	USPAT; EPO; JPO	2002/07/05 18:08
_	131	1	USPAT;	2002/07/05 18:09
		near5 scanning) same (second near5 scanning))	EPO; JPO	2002,01,00 20109
_	73	1	USPAT;	2002/07/05 18:16
	,,	(alternat\$5 same (first near5 scanning)	EPO; JPO	2002/07/03 10:10
1_	251020	same (second near5 scanning))) n adj3 "1"	USPAT;	2002/07/05 18:17
	251020		EPO; JPO	2002/01/03 10.11
I _	190714	"1" adj3 n	USPAT;	2002/07/05 18:18
	150714	1 44,5 11	EPO; JPO	2002/01/03 10:10
-	67184	(n adj3 "1") same ("1" adj3 n)	USPAT;	2002/07/05 18:18
			EPO; JPO	
-	208	345/87-102.ccls. and ((n adj3 "1") same	USPAT;	2002/07/05 18:19
_	1049	("1" adj3 n)) (scan or scanning) same ((n adj3 "1") same	EPO; JPO USPAT;	2002/07/05 18:19
	10.5	("1" adj3 n))	EPO; JPO	2002/01/03 10:13
-	76		USPAT;	2002/07/05 18:19
1_	11457	same ("1" adj3 n))) and 345/87-102.ccls. right near6 scan\$4	EPO; JPO USPAT;	2002/07/08 11:31
	1110,	Tight heart boans	EPO; JPO	2002, 01, 00 11.31
-	10342	left near6 scan\$4	USPAT; EPO; JPO	2002/07/08 11:32
-	1200459	alternat\$4	USPAT; EPO; JPO	2002/07/08 11:45
-	203	1 ' 2	USPAT;	2002/07/08 11:46
	22.5	scan\$4) with alternat\$4	EPO; JPO	0000/07/00 == :=
-	9260	345/87-101,204-214.ccls.	USPAT; EPO; JPO	2002/07/08 11:46
-	11	345/87-101,204-214.ccls. and ((right near6	USPAT;	2002/07/08 12:03
		scan\$4) with (left near6 scan\$4) with	EPO; JPO	
1_	445	alternat\$4) (right near6 scan\$4) same (left near6	USPAT;	2002/07/08 12:03
1	445	(right hearb scan\$4) same (left hearb scan\$4) same alternat\$4	EPO; JPO	2002/01/00 12:03
_	17		USPAT;	2002/07/08 12:03
	1	scan\$4) same (left near6 scan\$4) same	EPO; JPO	2002/01/00 12.03
		alternat\$4)		
-	6	(345/87-101,204-214.ccls. and ((right	USPAT;	2002/07/08 12:07
		near6 scan\$4) same (left near6 scan\$4)	EPO; JPO	
		same alternat\$4)) not		Į į
1		(345/87-101,204-214.ccls. and ((right		
		near6 scan\$4) with (left near6 scan\$4)		
		with alternat\$4))		
-	26563	349/\$.ccls.	USPAT;	2002/07/08 12:07
1_	12	349/5 cole and //might none	EPO; JPO	2002/07/08 12:07
-	13	349/\$.ccls. and ((right near6 scan\$4) with (left near6 scan\$4) with alternat\$4)	USPAT; EPO; JPO	2002/01/08 12:0/
-	8		USPAT;	2002/07/08 12:08
		with (left near6 scan\$4) with alternat\$4))	EPO; JPO	
		not (345/87-101,204-214.ccls. and ((right]	
		near6 scan\$4) with (left near6 scan\$4)		
		with alternat\$4))		
_	10631	alternat\$4 near6 scan\$4	USPAT;	2002/07/08 12:10
			EPO; JPO	
-	413		USPAT;	2002/07/08 12:10
L	L	near6 scan\$4)	EPO; JPO	

-	43860	data near6 (driver\$1 or driving)	USPAT; EPO; JPO	2002/07/08 12:12
-	2818	plurality with (data near6 (driver\$1 or driving))	USPAT; EPO; JPO	2002/07/08 12:12
-	54		USPAT; EPO; JPO	2002/07/08 12:32
ļ		and (alternat\$4 near6 scan\$4))	EPO; JPO	
-	410893	opposite near6 direction\$1	USPAT;	2002/07/08 12:33
_	115	(alternat\$4 near6 scan\$4) with (opposite	EPO; JPO USPAT;	2002/07/08 12:34
	4	near6 direction\$1)	EPO; JPO USPAT;	2002/07/08 12:35
	3	near6 scan\$4) with (opposite near6 direction\$1))	EPO; JPO	2002/07/00 12:33
-	1	349/\$.ccls. and ((alternat\$4 near6 scan\$4)	USPAT;	2002/07/08 12:35
_	101	<pre>with (opposite near6 direction\$1)) awad-\$.xa.</pre>	EPO; JPO USPAT;	2002/07/08 13:20
		W5854004W THE	EPO; JPO	
-	1	"5771031".PN.	USPAT	2002/07/08 12:43
-	1	"5734378".PN.	USPAT	2002/07/08 12:43
-	1	"5359344".PN.	USPAT	2002/07/08 12:44
-	1	"5345250".PN.	USPAT	2002/07/08 12:45
-	1	"5233446".PN.	USPAT	2002/07/08 12:45
-	1	"5103218".PN.	USPAT	2002/07/08 12:45
-	1	"4779085".PN.	USPAT	2002/07/08 12:46
-	1	"4795239".PN.	USPAT	2002/07/08 12:50
-	1	"4922241".PN.	USPAT	2002/07/08 12:50
-	1	"4952032".PN.	USPAT	2002/07/08 12:50
-	ō	(right adj4 left) near5 sacan\$4	USPAT;	2002/07/08 13:21
-	2483	(right adj4 left) near5 scan\$4	EPO; JPO USPAT; EPO; JPO	2002/07/08 13:21
-	4929	(left adj4 right) near5 scan\$4	USPAT; EPO; JPO	2002/07/08 13:22
-	1115	((right adj4 left) near5 scan\$4) and ((left adj4 right) near5 scan\$4)	USPAT; EPO; JPO	2002/07/08 13:22
-	870	((right adj4 left) near5 scan\$4) same ((left adj4 right) near5 scan\$4)	USPAT; EPO; JPO	2002/07/08 13:22
-	16		USPAT; EPO; JPO	2002/07/08 13:34
-	50556	first near7 scan\$4	USPAT; EPO; JPO	2002/07/08 13:38
-	40016	second near7 scan\$4	USPAT; EPO; JPO	2002/07/08 13:38
-	74	alternat\$4 same (opposite near6	USPAT;	2002/07/08 13:39
-	50	(TEF	EPO; JPO USPAT;	2002/07/08 13:47
		direction\$1) same (second near7 scan\$4)) same (first near7 scan\$4)	EPO; JPO	
-	5969	interlacing	USPAT; EPO; JPO	2002/07/08 13:47
-	19979	interlace\$1	USPAT; EPO; JPO	2002/07/08 13:47
-	5767	(interlacing or interlace\$1) near7 scan\$4	USPAT; EPO; JPO	2002/07/08 13:48
-	34	, , , , , , , , , , , , , , , , , , , ,	USPAT;	2002/07/08 13:53
		((interlacing or interlace\$1) near7 scan\$4)	EPO; JPO	
-	1	5880707.uref.	USPAT; EPO; JPO	2002/07/08 13:55
-	3846	odd with even with scan\$4	USPAT; EPO; JPO	2002/07/08 13:56
-	14	direction\$1) same (odd with even with	USPAT; EPO; JPO	2002/07/08 13:59
-	27	scan\$4) 5426447.uref.	USPAT; EPO; JPO	2002/07/08 14:33
-	407	345/103.ccls.	USPAT;	2002/07/08 14:33
_	13474	alternat\$4 with (opposite near6	EPO; JPO USPAT;	2002/07/08 14:34
L		direction\$1)	EPO; JPO	<u> </u>

-	1	345/103.ccls. and (alternat\$4 with	USPAT;	2002/07/08 14:35
_	22	<pre>(opposite near6 direction\$1)) (opposite near6 direction\$1) and</pre>	EPO; JPO USPAT;	2002/07/08 15:49
	22	345/103.ccls.	EPO; JPO	2002,0.,00 10.15
_	1	"5655940".PN.	USPAT	2002/07/08 15:27
-	1	"5512915".PN.	USPAT	2002/07/08 15:28
-	1	"5448257".PN.	USPAT	2002/07/08 15:28
-	1	"5396257".PN.	USPAT	2002/07/08 15:29
-	1 365	"5345249".PN. bi-direction\$2 near5 scan\$4	USPAT;	2002/07/08 15:29 2002/07/08 17:19
_	363	bi-directions2 hears scans4	EPO; JPO	2002/07/06 17:19
-	407	345/103.ccls.	USPAT;	2002/07/08 17:18
			EPO; JPO	
-	365	bi-direction\$2 near5 scan\$4	USPAT;	2002/07/08 17:20
_	0	345/103.ccls. and (bi-direction\$2 near5	EPO; JPO USPAT;	2002/07/08 17:20
-	0	scan\$4)	EPO; JPO	2002/07/08 17.20
_	407	345/\$.ccls. and 345/103.ccls.	USPAT;	2002/07/08 17:20
			EPO; JPO	
-	16		USPAT;	2002/07/08 17:24
	5.00	scan\$4)	EPO; JPO	0000/07/00 17 05
-	549	bidirection\$2 near5 scan\$4	USPAT; EPO; JPO	2002/07/08 17:25
_	2	345/103.ccls. and (bidirection\$2 near5	USPAT;	2002/07/09 10:32
	_	scan\$4)	EPO; JPO	
-	114	Maier-\$.xa.	USPAT;	2002/07/09 10:32
			EPO; JPO	
-	8	345/\$.ccls. and Maier-\$.xa.	USPAT;	2002/07/09 12:56
	102	awad-\$.xa.	EPO; JPO USPAT;	2002/07/09 13:28
-	102	awau-y.xa.	EPO; JPO	2002/07/09 13.20
-	1	6219022.pn.	USPAT;	2002/07/09 13:28
		•	EPO; JPO	
-	1	"5655940".PN.	USPAT	2002/07/09 13:28
-	1	"5512915".PN.	USPAT	2002/07/09 13:28
-	1	"5448257".PN.	USPAT	2002/07/09 13:30 2002/07/09 13:30
-	1 1	"5396257".PN. "5345249".PN.	USPAT USPAT	2002/07/09 13:30
_	1	"5136282".PN.	USPAT	2002/07/09 13:31
-	246	bidirectional near3 scanning	USPAT;	2002/07/10 12:45
İ		_	EPO; JPO	
-	46124	345/\$.ccls.	USPAT;	2002/07/10 12:46
	25	(hidinastianal nama assamina) and	EPO; JPO USPAT;	2002/07/10 16:30
_	25	(bidirectional near3 scanning) and 345/\$.ccls.	EPO; JPO	2002/07/10 16:30
_	1	6219022.pn.	USPAT;	2002/07/10 14:00
	_		EPO; JPO	
-	57084	odd and even	USPAT;	2002/07/10 14:00
	_	6010000	EPO; JPO	0000/07/10 11 61
_	0	6219022.pn. and (odd and even)	USPAT; EPO; JPO	2002/07/10 14:01
_	14	((bidirectional near3 scanning) and	USPAT;	2002/07/10 14:01
	1	345/\$.ccls.) and (odd and even)	EPO; JPO	
-	260144	first near5 direction\$1	USPAT;	2002/07/10 17:00
			EPO; JPO	
-	208524	second near5 direction	USPAT;	2002/07/10 17:01
1_	446627	scan\$4	EPO; JPO USPAT;	2002/07/10 17:01
	44002/	Scanys	EPO; JPO	2002/01/10 17.01
-	9016	scan\$4 with ((first near5 direction\$1) or	USPAT;	2002/07/10 17:02
		(second near5 direction))	EPO; JPO	
] -	241093	two near5 line\$1	USPAT;	2002/07/10 17:03
i _	269	/cancy with //first nears direction(1) or	EPO; JPO USPAT;	2002/07/10 17:03
1 -	209	(scan\$4 with ((first near5 direction\$1) or (second near5 direction))) same (two	EPO; JPO	2002/01/10 11:03
		near5 line\$1)	, 010	
-	46124	345/\$.ccls.	USPAT;	2002/07/10 17:03
	_		EPO; JPO	
-	22	((scan\$4 with ((first near5 direction\$1)	USPAT;	2002/07/10 17:20
		or (second near5 direction))) same (two near5 line\$1)) and 345/\$.ccls.	EPO; JPO	
L	L	nears tinesi)) and 545/s.ccis.	<u> </u>	

	00100			
-	29438	line near6 counter\$1	USPAT; EPO; JPO	2002/07/10 17:21
-	68056	scan\$4 near6 direction\$1	USPAT; EPO; JPO	2002/07/10 17:22
-	240	(line near6 counter\$1) with (scan\$4 near6 direction\$1)	USPAT; EPO; JPO	2002/07/10 17:22
-	37	345/\$.ccls. and ((line near6 counter\$1) with (scan\$4 near6 direction\$1))	USPAT; EPO; JPO	2002/07/10 18:00
-	480336		USPAT; EPO; JPO	2002/07/10 18:01
-	1758	,	USPAT; EPO; JPO	2002/07/10 18:02
-	9876		USPAT; EPO; JPO	2002/07/10 18:02
-	19	direction\$1)) and 345/87-103,204-214.ccls.	USPAT; EPO; JPO	2002/07/10 18:02
-	12	((counter\$1 with (scan\$4 near6 direction\$1)) and	USPAT; EPO; JPO	2002/07/10 18:19
		345/87-103,204-214.ccls.) not (345/\$.ccls. and ((line near6 counter\$1) with (scan\$4 near6 direction\$1)))		
-	115	(first near5 direction\$1) same (second near5 direction) same scan\$4 same	USPAT; EPO; JPO	2002/07/10 18:20
_	1	counter\$1 ((first near5 direction\$1) same (second near5 direction) same scan\$4 same	USPAT; EPO; JPO	2002/07/10 18:21
-	3278	counter\$1) and 345/87-103,204-214.ccls. (scan\$4 near6 direction\$1) same counter\$1	USPAT; EPO; JPO	2002/07/10 18:21
-	38	((scan\$4 near6 direction\$1) same counter\$1) and 345/87-103,204-214.ccls.	USPAT; EPO; JPO	2002/07/10 18:21
_	26	(((scan\$4 near6 direction\$1) same counter\$1) and 345/87-103,204-214.ccls.)	USPAT; EPO; JPO	2002/07/10 18:29
		not (((counter\$1 with (scan\$4 near6 direction\$1)) and 345/87-103,204-214.ccls.) not (345/\$.ccls. and ((line near6 counter\$1) with (scan\$4		
_	66047	near6 direction\$1)))) bidirectional\$1 or bi-directional	USPAT; EPO; JPO	2002/07/10 18:30
-	1403	scan\$4 with (bidirectional\$1 or bi-directional)	USPAT; EPO; JPO	2002/07/10 18:31
-	63	i ·	USPAT; EPO; JPO	2002/07/10 18:31
-	1	(counter\$1 same (scan\$4 with (bidirectional\$1 or bi-directional))) and 345/87-103,204-214.ccls.	USPAT; EPO; JPO	2002/07/10 18:31
-	11412	alternat\$3 near7 scan\$4	USPAT; EPO; JPO	2002/07/11 10:50
-	384139	(two or second or fourth) near5 line\$1	USPAT; EPO; JPO	2002/07/11 10:52
-	604	(alternat\$3 near7 scan\$4) with ((two or second or fourth) near5 line\$1)	USPAT; EPO; JPO	2002/07/11 10:55
-	429	dirction\$1	USPAT; EPO; JPO	2002/07/11 10:55
-	0	((alternat\$3 near7 scan\$4) with ((two or second or fourth) near5 line\$1)) same dirction\$1	USPAT; EPO; JPO	2002/07/11 10:56
_	2578013		USPAT; EPO; JPO	2002/07/11 10:56
-	118	((alternat\$3 near7 scan\$4) with ((two or second or fourth) near5 line\$1)) same direction\$1	USPAT; EPO; JPO	2002/07/11 10:58
-	46124	345/\$.ccls.	USPAT; EPO; JPO	2002/07/11 10:58
-	12	(((alternat\$3 near7 scan\$4) with ((two or second or fourth) near5 line\$1)) same direction\$1) and 345/\$.ccls.	USPAT; EPO; JPO	2002/07/11 11:17
-	110894	change with direction\$1	USPAT; EPO; JPO	2002/07/11 11:19
-	66	(alternat\$3 near7 scan\$4) same (change with direction\$1)	USPAT; EPO; JPO	2002/07/11 11:19

		Tara ta	T	1
_	2		USPAT;	2002/07/11 11:20
-	70508	<pre>same (change with direction\$1)) scan\$4 near7 direction\$1</pre>	EPO; JPO USPAT;	2002/07/11 11:21
_	4182	· · · · · · · · · · · · · · · · · · ·	EPO; JPO USPAT;	2002/07/11 11:21
_	282	same (scan\$4 near7 direction\$1) (((two or second or fourth) near5 line\$1) same (scan\$4 near7 direction\$1)) and	EPO; JPO USPAT; EPO; JPO	2002/07/11 11:21
-	10000	345/\$.ccls. 345/87-104,204-214.ccls.	USPAT;	2002/07/11 11:22
-	102	same (scan\$4 near7 direction\$1)) and	EPO; JPO USPAT; EPO; JPO	2002/07/11 11:49
	,	345/\$.ccls.) and 345/87-104,204-214.ccls. "5598178".PN.		0000/07/11 11 47
1_	1 1	"5426447".PN.	USPAT USPAT	2002/07/11 11:47 2002/07/11 11:48
_	1		USPAT	2002/07/11 11:48
-	3	"0319292" "0434042" "0434042"	USPAT;	2002/07/11 11:50
			EPO; JPO	
-	2	0319292.pn. 0434042.pn. 0434042.pn.	USPAT; EPO; JPO	2002/07/11 11:51
-	0	ep-0319292-\$.did. ep-0434042-\$.did. ep-0434042-\$.did.	DERWENT	2002/07/11 11:53
_	2	ep-319292-\$.did. ep-434042-\$.did. ep-434042-\$.did.	DERWENT	2002/07/11 12:00
-	18442 20057		DERWENT DERWENT	2002/07/11 12:00 2002/07/11 12:01
-	124702		USPAT; US-PGPUB; EPO; JPO	2002/07/11 12:01
-	71179	bidirection\$2 or bi-direction\$2	USPAT; US-PGPUB; EPO; JPO	2002/07/11 12:01
-	470372	scan\$4	USPAT; US-PGPUB; EPO; JPO	2002/07/11 12:02
_	1547	(bidirection\$2 or bi-direction\$2) with scan\$4	USPAT; US-PGPUB; EPO; JPO	2002/07/11 12:02
-	13	(two near4 lines) same ((bidirection\$2 or bi-direction\$2) with scan\$4)	USPAT; US-PGPUB; EPO; JPO	2002/07/11 12:04
-	3444	scan\$4 with (change with direction\$1)	USPAT; US-PGPUB; EPO; JPO	2002/07/11 12:05
-	35	(two near4 lines) same (scan\$4 with (change with direction\$1))	USPAT; US-PGPUB; EPO; JPO	2002/07/11 12:13
_	8220	opposite near7 scan\$4	USPAT; US-PGPUB;	2002/07/11 12:14
_	56	(two near4 lines) with (opposite near7 scan\$4)	EPO; JPO USPAT; US-PGPUB;	2002/07/11 15:25
-	71195	bi\$ldirection\$2	EPO; JPO USPAT; US-PGPUB;	2002/07/11 15:25
L	L		EPO; JPO	

-	1	6177920.pn.	USPAT;	2002/07/11 15:26
			US-PGPUB;	
			EPO; JPO	
-	1	bi\$1direction\$2 and 6177920.pn.	USPAT;	2002/07/11 15:32
			US-PGPUB;	
	100000	-3	EPO; JPO	0000/07/11 15 00
-	1230683	alternat\$3	USPAT;	2002/07/11 15:33
			US-PGPUB;	
		(bi\$ldirection\$2 and 6177920.pn.) and	EPO; JPO	2002/07/11 15:24
-	0	alternat\$3	USPAT; US-PGPUB;	2002/07/11 15:34
]	arcernaces	EPO; JPO	
1_	2336	bi\$1direction\$2 with alternat\$3	USPAT;	2002/07/11 15:34
	2330	bigidifections2 with afternates	US-PGPUB;	2002/07/11 15.54
			EPO; JPO	
i -	412	345/103.ccls.	USPAT;	2002/07/11 15:34
			US-PGPUB;	2002, 0.711 13.31
			EPO; JPO	
-	l o	(bi\$1direction\$2 with alternat\$3) and	USPAT;	2002/07/11 15:35
		345/103.ccls.	US-PGPUB;	
			EPO; JPO	
-	1531	345/98-100.ccls.	USPAT;	2002/07/11 15:35
			US-PGPUB;	
			EPO; JPO	
-	l 0	345/98-100.ccls. and (bi\$1direction\$2 with	USPAT;	2002/07/11 15:50
		alternat\$3)	US-PGPUB;	
			EPO; JPO	
-	115508	345/\$.ccls. or 349/\$.ccls. or 348/\$.ccls.	USPAT;	2002/07/11 15:51
	ĺ		US-PGPUB;	
	İ		EPO; JPO	
-	87	(bi\$1direction\$2 with alternat\$3) and	USPAT;	2002/07/11 15:57
		(345/\$.ccls. or 349/\$.ccls. or	US-PGPUB;	
		348/\$.ccls.)	EPO; JPO	
-	15687	data near7 bi\$1direction\$2	USPAT;	2002/07/11 15:58
			US-PGPUB;	
			EPO; JPO	
-	2547	345/98-103.ccls.	USPAT;	2002/07/11 15:58
			US-PGPUB;	
		/daha manu7 hi 61 di wanki ma 60)	EPO; JPO	0000/07/11 16 06
-	23	(====================================	USPAT;	2002/07/11 16:26
		345/98-103.ccls.	US-PGPUB;	
_	192873	both near5 direction\$1	EPO; JPO	2002/07/11 16:26
	192073	both hears directions:	USPAT; US-PGPUB;	2002/07/11 16:26
			EPO; JPO	
_	76	(data or adressing) with (both near5	USPAT;	2002/07/11 16.27
	'3	direction \$1) with alternat \$3	US-PGPUB;	2002/07/11 16:27
		directional, with directional	EPO; JPO	
1	0	(345/103.ccls. or 345/98-100.ccls.) and	USPAT;	2002/07/11 16:27
	ĺ	((data or adressing) with (both near5	US-PGPUB;	2002,07,11 10.27
		direction\$1) with alternat\$3)	EPO; JPO	
-	10		USPAT;	2002/07/11 16:31
		348/\$.ccls.) and ((data or adressing) with	US-PGPUB;	
		(both near5 direction\$1) with alternat\$3)	EPO; JPO	
-	336429	left adj9 right	USPAT;	2002/07/11 16:35
			US-PGPUB;	
			EPO; JPO	
-	294568	right adj9 left	USPAT;	2002/07/11 16:36
			US-PGPUB;	
			EPO; JPO	
-	1280247	,	USPAT;	2002/07/11 16:36
		(right adj9 left)	US-PGPUB;	
			EPO; JPO	
-	1788		USPAT;	2002/07/11 16:38
<u> </u>		(right adj9 left)	US-PGPUB;	
		1245/2	EPO; JPO	
-	257	,,	USPAT;	2002/07/11 16:38
		348/\$.ccls.) and (alternat\$3 with (left	US-PGPUB;	
_	, ,	adj9 right) with (right adj9 left))	EPO; JPO	0000/07/55
ļ ⁻	7	(USPAT;	2002/07/11 16:44
		(right adj9 left)) and 345/98-103.ccls.	US-PGPUB;	
<u></u>	L		EPO; JPO	

1					
- 54380 (left adj9 right) and (right adj9 left) and alternat53 and alternat53 and (left adj9 right) and (right adj9 left) and slemat53) - 345/99-103.ccls. and (left adj9 right) and (right adj9 left) and alternat53) not (alternat53 mith (left adj9 right) and (right adj9 left) and alternat53) not (alternat53 mith (left adj9 right) with right adj9 left) and 315/98-103.ccls. and (left adj9 right) and (right adj9 left) and 315/98-103.ccls. brown of adta) - 18684 bislicrection\$2 with dat6 - 30	-	_	"5151689".PN.	USPAT	2002/07/11 16:41
S4380 (left adj9 right) and (right adj9 left) Sept. JPO	-	0	6104370.uref.		2002/07/11 16:44
S4380 (left adj9 right) and (right adj9 left) USPAT; US-PGFUB; Pro; JPO USPAT;	į			US-PGPUB;	1
and alternats3 - 71 345/98-103.ccls. and ((left adj9 right) and (right adj9 left) and alternats3) not (right adj9 left) and alternats3) not (right adj9 left) and alternats3) not (right adj9 left) and alternats3) not (right adj9 left)) and 345/98-103.ccls. and (lifer adj9 right) and (right adj9 left)) and 345/98-103.ccls. and (bi\$ldirection\$2 with alternats3) not (right adj9 left)) and 345/98-103.ccls. and (bi\$ldirection\$2 with alternats3) not (right adj9 left)) and 345/98-103.ccls. and (bi\$ldirection\$2 with alternats3 with data) - 30 345/98-103.ccls. and (bi\$ldirection\$2 with alternats3 with (data near5 direction\$1) - 50700 data near5 direction\$1 - 85 345/98-103.ccls. or 349/8.ccls.		i		EPO; JPO	1
and alternat\$3 - 71 345/98-103.ccls. and ((left adj9 right) and (right adj9 left) and alternat\$3) - (345/98-103.ccls. and ((left adj9 right) and (right adj9 left) and alternat\$3) - (18684 (right adj9 left) and 345/98-103.ccls.) - (18684 bisIdirection\$2 with (left adj9 right) and (right adj9 left) and 345/98-103.ccls.) - (18684 bisIdirection\$2 with data - (18684 bisIdirection\$2 with data) - (18684 bisIdirection\$2) - (18684 bisIdirection\$2) - (18684 bisIdirection\$1) - (18684 bisIdirection\$2) - (18684 bisIdirection\$2) - (18684 bisIdirection\$1) - (18685 bisIdirection\$1	-	54380	(left adj9 right) and (right adj9 left)	USPAT;	2002/07/11 16:45
345/98-103.ccls. and (1eft adj9 right) USPAT; USPAT	ļ			US-PGPUB;	
345/98-103.ccls. and (1eft adj9 right) USPAT; USPAT	İ	1		EPO: JPO	
Second S	_	71	345/98-103.ccls. and ((left adi9 right)		2002/07/11 16:45
### 1864 (345/98-103.ccls. and ((left adj9 right) and (right adj9 left) and alternat\$3) not ((alternat\$3 with (left adj9 right) with the content of the co		'-			1 2002, 01, 22 20119
64	Ì		and (light adj) left, and alternates,		}
and (right adj9 left) and alternat\$3) not (calternat\$3 with (left adj9 right) with (right adj9 right) with (right adj9 left)) and 345/98-103.ccls.) 18684 bisidirections2 with data 30 345/98-103.ccls. and (bisidirection\$2 with data) 50700 data near5 direction\$1 759 alternat\$3 with (data near5 direction\$1) 85 (345/\$.ccls.) and (alternat\$3 with (data near5 direction\$1)) 5 (alternat\$3 with (data near5 direction\$1)) 5 (alternat\$3 with (data near5 direction\$1)) 5 (alternat\$3 with (data near5 direction\$1)) 5 (alternat\$3 with (data near5 direction\$1)) 5 (alternat\$3 with (data near5 direction\$1)) 6 (alternat\$3 with (data near5 direction\$1)) 7 (alternat\$3 with (data near5 direction\$1)) 8 (alternat\$3 near7 data) 8 (alternat\$3 near7 data) 8 (alternat\$3 near7 data) with direction\$1 9 (alternat\$3 near7 data) with direction\$1 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 1 (ata) data 2 (ata) data 2 (ata) data 3 (ata) data 3 (ata) data 4 (ata) data 4 (ata) data 4 (ata) data 4 (ata) data 4 (ata) data 4 (ata) data 4 (ata) data 5 (ata) data 4 (ata) data 5 (ata) data 6 (ata) data 6 (ata) data 6 (ata) data 6 (ata) data 6 (ata) data 6 (ata) data 6 (ata) data 6 (ata) data 7 (ata) data 8 (ata) data 8 (ata) data 8 (ata) data 8 (ata) data 8 (ata) data 9	ŀ		(245/00 102) (/) -5+ (/) -5+		2002/07/11 16 46
	-	04			2002/07/11 16:46
18684					
18684 bisidirections2 with data				EPO; JPO	
- 30 345/98-103.ccls. and (bi\$ldirection\$2 with 0				-	
30 345/98-103.ccls. and (bi\$ldirection\$2 with data) SPAT; US-PGPUB; EFO; JPO USPAT; US-PGPUB; USPAT; US-PGPUB; USPAT; US-PGPUB; USPAT; USPA	-	18684	bi\$1direction\$2 with data	USPAT;	2002/07/11 16:47
30 345/98-103.ccls. and (bi\$ldirection\$2 with data) USPAT;				US-PGPUB;	
30 345/98-103.ccls. and (bi\$ldirection\$2 with data) USPAT;				EPO; JPO	
data	l -	30	345/98-103.ccls, and (bi\$1direction\$2 with		2002/07/11 17:12
S0700 data near5 direction\$1 SPO, JPO SPAT; US-PGPUB; PEO, JPO SP					
- 50700 data near5 direction\$1 - 759 alternat\$3 with (data near5 direction\$1) - 85 (345/\$.ccls. or 349/\$.ccls. or 348/\$.ccls. or 348/\$.ccls.) and (alternat\$3 with (data near5 direction\$1) - 85 (345/\$.ccls.) and (alternat\$3 with (data near5 direction\$1)) 5 (alternat\$3 with (data near5 direction\$1)) - 1 5 (alternat\$3 with (data near5 direction\$1)) - 1 5 (alternat\$3 with (data near5 direction\$1)) - 1 5 (alternat\$3 mear7 data - 2651133 direction\$1 - 2651133 direction\$1 - 2651133 direction\$1 - 2547 (alternat\$3 near7 data) with direction\$1 - 2547 345/98-103.ccls. and ((alternat\$3 near7 data) with direction\$1 - 238864 two near7 direction\$1 - 1644110 data - 2425 345/98-103.ccls. and ((alternat\$3 near7 data) with data - 1201928 daternat\$1 with data - 1201928 daternat\$2 direction\$1) with data - 1201928 daternat\$3 direction\$1) with data) and 345/98-103.ccls. and ((wo near7 direction\$1) with data) and 345/98-103.ccls. and ((wo near7 direction\$1) with data) and 345/98-103.ccls. - 1201928 daternat\$4 - 1201928 daternat\$4 - 15664644** PN. - 1 "55623773** PN. - 1 "5523773** PN. - 1 "5523773** PN. - 1 "5523773** PN. - 1 "5523773** PN. - 1 "55414443** PN. - 2002/07/12 14:36 - 2002/07/12 14:36 - 2002/07/12 14:36 - 2002/07/12 14:36 - 2002/07/12 14:36 - 2002/07/12 14:36 - 2002/07/12 14:36 - 2002/07/12 14:36			aucu,		
- 759 alternat\$3 with (data near5 direction\$1) US-PGPUB; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JP		50700	data manuf dimentianti		2002/07/11 17-12
Top	-	30700	data hears directions:		2002/07/11 17:13
- 759 alternat\$3 with (data near5 direction\$1) USPAT; US-PGCPUB; EPG; JPO USPAT; EPG; JPO U					
- 85					
### 1	-	759	alternat\$3 with (data near5 direction\$1)	USPAT;	2002/07/11 17:15
Solution Solution				US-PGPUB;	
Solution Solution				EPO; JPO	
348/S.ccls.) and (alternat\$3 with (data near5 direction\$1) EPO; JPO (alternat\$3 with (data near5 direction\$1) EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; EPO; JPO USPAT	-	85	(345/\$.ccls. or 349/\$.ccls. or		2002/07/11 17:15
near5 direction\$1)					
- 5					
and 345/98-103.ccls. - 1 5708455.uref. - 35352 alternat\$3 near7 data - 2651133 direction\$1 - 867 (alternat\$3 near7 data) with direction\$1 - 2547 345/98-103.ccls. - 2547 345/98-103.ccls. - 28864 two near7 direction\$1 - 1644110 data - 238864 two near7 direction\$1) with data - 6351 (two near7 direction\$1) with data - 2425 345/98-103.ccls. - 255253733".PN. - 15 (((two near7 direction\$1) with data) and 345/98-103.ccls. - 15 (((two near7 direction\$1) with data) and 345/98-103.ccls. - 164410 data - 1764410 data - 18654 ((two near7 direction\$1) with data) and 345/98-103.ccls. - 1866800.uref. - 1867 (((two near7 direction\$1) with data) and 345/98-103.ccls. - 1868800.uref. - 1868800.	_	5			2002/07/11 17:20
- 1 5708455.uref.	-			1	2002/07/11 17:29
- 1 5708455.uref. USPAT; US-PGPUB; EPO; JPO USPAT; US-PGFUB; EPO; JPO USPAT; EPO; JPO USPAT; USPAT; EPO; JPO USPAT			and 345/96-103.CCIS.	1	
- 35352 alternat\$3 near7 data			5500.55	· ·	
- 35352 alternat\$3 near7 data	-	1	5708455.uref.	·	2002/07/11 18:58
- 35352 alternat\$3 near7 data				US-PGPUB;	
- 2651133 direction\$1				EPO; JPO	
- 2651133 direction\$1	-	35352	alternat\$3 near7 data	USPAT;	2002/07/11 18:58
- 2651133 direction\$1 USPAT; U				US-PGPUB;	
- 2651133 direction\$1 USPAT; U				EPO; JPO	
- 867 (alternat\$3 near7 data) with direction\$1 US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT EPO; JPO USPAT EPO; JPO USPA	_	2651133	direction\$1	· ·	2002/07/11 18:59
EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; USPAT; USPAT; EPO; JPO USPAT 2002/07/12 14:24 USPAT; EPO; JPO USPAT 2002/07/12 14:24 USPAT; EPO; JPO USPAT 2002/07/12 14:24 USPAT; EPO; JPO USPAT 2002/07/12 14:24 USPAT; EPO; JPO USPAT 2002/07/12 14:24 USPAT; EPO; JPO USPAT 2002/07/12 14:24 USPAT; EPO; JPO USPAT 2002/07/12 14:24 USPAT; EPO; JPO USPAT 2002/07/12 14:24 USPAT; EPO; JPO USPAT 2002/07/12 14:25 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:					2002,01,21 20103
- 867 (alternat\$3 near7 data) with direction\$1 USPAT; US-PGPUB; EPC; JPO USPAT; US-PGPUB; EPC; JPO USPAT; US-PGPUB; EPC; JPO USPAT; US-PGPUB; EPC; JPO USPAT; US-PGPUB; EPC; JPO USPAT; US-PGPUB; EPC; JPO USPAT; US-PGPUB; EPC; JPO USPAT; EP					
US-PGPUB; EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; EPO; JPO USPAT USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30 USPAT 20	_	967	/alternate3 near7 data) with directione1	· ·	2002/07/11 19:00
EPO; JPO USPAT; 2002/07/11 19:00 USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 13:47 EPO; JPO USPAT; 2002/07/12 14:05 EPO; JPO USPAT; 2002/07/12 14:06 EPO; JPO USPAT; 2002/07/12 14:06 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:28 INSPAT 2002/07/12 14:28 INSPAT 2002/07/12 14:30 INSP	_	667	(arcernacy) hear/ data/ with directionsi	· ·	2002/07/11 19:00
- 2547 345/98-103.ccls. USPAT; US-PGPUB; EPO; JPO data) with direction\$1 USPAT; US-PGPUB; EPO; JPO USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; EPO; JPO USPAT 2002/07/12 14:18 EPO; JPO USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:25 USPAT 2002/07/12 14:26 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30 USPAT 2002/07/					
S			0.5/00.100		
- 8 345/98-103.ccls. and ((alternat\$3 near7 dispar) Sepontal Description Control of the cont	-	254/	345/98-103.ccls.		2002/07/11 19:00
## 345/98-103.ccls. and ((alternat\$3 near7 data) with direction\$1 US-PGPUB; EPO; JPO USPAT USPAT USPAT 2002/07/12 14:24 USPAT USPAT 2002/07/12 14:24 USPAT USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30				1	
data) with direction\$1) 238864 two near7 direction\$1 1644110 data 1644110 data 1644110 data 1644110 data 1644110 data 16351 (two near7 direction\$1) with data 16457					
EPO; JPO USPAT; EPO; JPO USPAT EPO; JPO USPAT US	-	8			2002/07/11 19:00
- 238864 two near7 direction\$1 USPAT; EPO; JPO USPAT 2002/07/12 14:18 EPO; JPO USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:25 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30			data) with direction\$1)	US-PGPUB;	
- 238864 two near7 direction\$1 USPAT; EPO; JPO USPAT 2002/07/12 14:18 EPO; JPO USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:25 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30				EPO; JPO	
- 1644110 data	-	238864	two near7 direction\$1		2002/07/12 13:47
- 1644110 data USPAT; EPO; JPO USPAT 2002/07/12 14:18 EPO; JPO USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:25 USPAT 2002/07/12 14:26 USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:30 USPAT 2002/			•		. =
EPO; JPO USPAT; EPO; JPO USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30	-	1644110	data	1	2002/07/12 13-47
- 6351 (two near7 direction\$1) with data USPAT; EPO; JPO USPAT 2002/07/12 14:24 EPO; JPO USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:25 USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30					
EPO; JPO USPAT; EPO; JPO USPAT USP	_	6351	(two near? direction\$1) with data		2002/07/12 13.47
- 2425 345/98-103.ccls. USPAT; EPO; JPO - 26 ((two near7 direction\$1) with data) and 345/98-103.ccls. EPO; JPO - 1201928 alternat\$4 USPAT; 2002/07/12 14:06 - 0 5786800.uref. EPO; JPO - 0 5786800.uref. USPAT; 2002/07/12 14:18 - 1 "5646644".PN. USPAT 2002/07/12 16:06 - 1 "5646644".PN. USPAT 2002/07/12 14:24 - 1 "5623278".PN. USPAT 2002/07/12 14:27 - 1 "5523773".PN. USPAT 2002/07/12 14:28 - 1 "5523773".PN. USPAT 2002/07/12 14:30 - 1 "5414443".PN. USPAT 2002/07/12 14:30		"	(temo hear, directional) with data		2002/07/12 13:47
EPO; JPO USPAT; 2002/07/12 14:05 EPO; JPO USPAT; 2002/07/12 14:06 EPO; JPO USPAT; 2002/07/12 14:06 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:24 EPO; JPO USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30		2425	245/00 102 0010		2002/07/12 12 42
- 26 ((two near7 direction\$1) with data) and 345/98-103.ccls 1201928 alternat\$4 USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT 2002/07/12 14:24 EPO; JPO USPAT 2002/07/12 14:24 EPO; JPO USPAT 2002/07/12 14:24 EPO; JPO USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:28 EPO; JPO USPAT 2002/07/12 14:29 EPO; JPO USPAT 2002/07/12 14:29 EPO; JPO USPAT 2002/07/12 14:29 EPO; JPO USPAT 2002/07/12 14:29 EPO; JPO USPAT 2002/07/12 14:30	-	2425	343/36-103.CCIS.		2002/01/12 13:47
1201928 345/98-103.ccls. EPO; JPO USPAT; 2002/07/12 14:06 EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; EPO; JPO USPAT 2002/07/12 16:06 EPO; JPO USPAT 2002/07/12 14:24 EPO; JPO USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:					
- 1201928 alternat\$4 USPAT; 2002/07/12 14:06 EPO; JPO 0 5786800.uref. USPAT; 2002/07/12 14:18 EPO; JPO 15 (((two near7 direction\$1) with data) and 345/98-103.ccls.) and alternat\$4 EPO; JPO 1 "5646644".PN. USPAT 2002/07/12 14:24 1 "5623278".PN. USPAT 2002/07/12 14:27 1 "5523773".PN. USPAT 2002/07/12 14:28 1 "5523773".PN. USPAT 2002/07/12 14:30 1 "5414443".PN. USPAT 2002/07/12 14:30	-	26		1	2002/07/12 14:05
EPO; JPO USPAT; 2002/07/12 14:18 EPO; JPO USPAT; EPO; JPO USPAT; EPO; JPO USPAT; 2002/07/12 16:06 EPO; JPO USPAT; 2002/07/12 16:06 EPO; JPO USPAT 2002/07/12 14:24 EPO; JPO USPAT 2002/07/12 14:24 USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:27 USPAT 2002/07/12 14:28 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30 USPAT 2002/07/12 14:30					
- 0 5786800.uref. USPAT; 2002/07/12 14:18 EPO; JPO 15 (((two near7 direction\$1) with data) and 345/98-103.ccls.) and alternat\$4 EPO; JPO 1 1 "5646644".PN. USPAT 2002/07/12 14:24 1 "5623278".PN. USPAT 2002/07/12 14:27 1 "5523773".PN. USPAT 2002/07/12 14:28 1 "5523773".PN. USPAT 2002/07/12 14:30 1 "5414443".PN. USPAT 2002/07/12 14:30	-	1201928	alternat\$4	USPAT;	2002/07/12 14:06
- 15 (((two near7 direction\$1) with data) and 345/98-103.ccls.) and alternat\$4 EPO; JPO USPAT; EPO; JPO USPAT 2002/07/12 14:24 1 "5623278".PN. USPAT 2002/07/12 14:27 1 "5523773".PN. USPAT 2002/07/12 14:28 1 "5523773".PN. USPAT 2002/07/12 14:30 1 "5414443".PN. USPAT 2002/07/12 14:30	1			EPO; JPO	
- 15 (((two near7 direction\$1) with data) and 345/98-103.ccls.) and alternat\$4 EPO; JPO USPAT; EPO; JPO USPAT 2002/07/12 14:24 1 "5623278".PN. USPAT 2002/07/12 14:27 1 "5523773".PN. USPAT 2002/07/12 14:28 1 "5523773".PN. USPAT 2002/07/12 14:30 1 "5414443".PN. USPAT 2002/07/12 14:30	-	0	5786800.uref.	USPAT;	2002/07/12 14:18
- 15 (((two near7 direction\$1) with data) and USPAT; 2002/07/12 16:06 345/98-103.ccls.) and alternat\$4 EPO; JPO - 1 "5646644".PN. USPAT 2002/07/12 14:24 - 1 "5623278".PN. USPAT 2002/07/12 14:27 - 1 "5523773".PN. USPAT 2002/07/12 14:28 - 1 "5523773".PN. USPAT 2002/07/12 14:30 - 1 "5414443".PN. USPAT 2002/07/12 14:30]			,	. = :: 34
345/98-103.ccls.) and alternat\$4 EPO; JPO USPAT 2002/07/12 14:24 2002/07/12 14:24 2002/07/12 14:27 2002/07/12 14:27 2002/07/12 14:28 2002/07/12 14:28 2002/07/12 14:30 2002/07/1	-	15	(((two near7 direction\$1) with data) and	1	2002/07/12 16.06
- 1 "5646644".PN. USPAT 2002/07/12 14:24 - 1 "5623278".PN. USPAT 2002/07/12 14:27 - 1 "5523773".PN. USPAT 2002/07/12 14:28 - 1 "5523773".PN. USPAT 2002/07/12 14:30 - 1 "5414443".PN. USPAT 2002/07/12 14:30		1			2002/07/12 10.00
- 1 "5623278".PN. USPAT 2002/07/12 14:27 - 1 "5523773".PN. USPAT 2002/07/12 14:28 - 1 "5523773".PN. USPAT 2002/07/12 14:30 - 1 "5414443".PN. USPAT 2002/07/12 14:30	1_	1	•		2002/07/12 14:04
- 1 "5523773".PN. USPAT 2002/07/12 14:28 - 1 "5523773".PN. USPAT 2002/07/12 14:30 - 1 "5414443".PN. USPAT 2002/07/12 14:30					
- 1 "5523773".PN. USPAT 2002/07/12 14:30 - 1 "5414443".PN. USPAT 2002/07/12 14:30	-				
- 1 "5414443".PN. USPAT 2002/07/12 14:30	-		1		
	<u> </u> -				
- 1 1 "5359343".PN. USPAT 2002/07/12 14:31	-				
	<u> </u>	1		USPAT	2002/07/12 14:31

-	248	, · · · · · · · · · · · · · · · · · · ·	USPAT;	2002/07/12 14:35
_	109331	with data) 345/\$.ccls. or 348/\$.ccls. or 349/\$.ccls.	EPO; JPO USPAT;	2002/07/12 14:36
	103331	343, 4.0013. 01 340, 4.0013. 01 343, 4.0013.	EPO; JPO	
-	30	(alternat\$4 same ((two near7 direction\$1)	USPAT;	2002/07/12 14:46
		with data)) and (345/\$.ccls. or 348/\$.ccls. or 349/\$.ccls.)	EPO; JPO	
_	85343	data with direction\$1	USPAT;	2002/07/12 14:47
		·	EPO; JPO	
-	1437	alternat\$4 with (data with direction\$1)	USPAT;	2002/07/12 14:49
_	10	(alternat\$4 with (data with direction\$1))	EPO; JPO USPAT;	2002/07/12 14:51
		and 345/98-103.ccls.	EPO; JPO	
-	1	5708455.uref.	USPAT;	2002/07/12 14:56
_	168	(alternat\$4 with (data with direction\$1))	EPO; JPO USPAT;	2002/07/12 14:56
		and (345/\$.ccls. or 348/\$.ccls. or	EPO; JPO	
	150	349/\$.ccls.)	UGDA III	2002/07/12 15 15
-	158	((alternat\$4 with (data with direction\$1)) and (345/\$.ccls. or 348/\$.ccls. or	USPAT; EPO; JPO	2002/07/12 15:15
		349/\$.ccls.)) not ((alternat\$4 with (data	210, 010	
	57004	with direction\$1)) and 345/98-103.ccls.)		0000 (07 (10 15 15
-	57084	odd and even	USPAT; EPO; JPO	2002/07/12 15:15
_	651	(two near7 direction\$1) same odd same even	USPAT;	2002/07/12 15:16
			EPO; JPO	0000/05/55 55
-	3	345/98-103.ccls. and ((two near7 direction\$1) same odd same even)	USPAT; EPO; JPO	2002/07/12 15:16
_	5616	opposite with data with direction\$1	USPAT;	2002/07/12 16:07
			EPO; JPO	
-	31	(opposite with data with direction\$1) and 345/98-103.ccls.	USPAT; EPO; JPO	2002/07/12 16:22
_	1	"5708454".PN.	USPAT	2002/07/12 16:20
-	1	"5686936".PN.	USPAT	2002/07/12 16:20
_	1	"5426447".PN.	USPAT	2002/07/12 16:21 2002/07/12 16:22
_	1 1	"5398043".PN. "5151689".PN.	USPAT USPAT	2002/07/12 16:22
-	27	5426447.uref.	USPAT;	2002/07/12 16:34
	1	#E0400E7# DN	EPO; JPO	2002/07/12 16.22
_	1 1	"5940057".PN. "5892493".PN.	USPAT USPAT	2002/07/12 16:22 2002/07/12 16:24
-	1		USPAT	2002/07/12 16:25
-	1	"5686936". PN.	USPAT	2002/07/12 16:25
-	1 116	"5426447".PN. applying with data\$1 with both with (end\$1	USPAT;	2002/07/12 16:26 2002/07/12 16:36
	110	or side\$1)	EPO; JPO	
-	46124	345/\$.ccls.	USPAT;	2002/07/12 16:37
_	13	(applying with data\$1 with both with	EPO; JPO USPAT;	2002/07/12 16:41
		(end\$1 or side\$1)) and 345/\$.ccls.	EPO; JPO	2002/01/12 10.41
-	20	(345/\$.ccls. or 348/\$.ccls. or	USPAT;	2002/07/12 16:41
		349/\$.ccls.) and (applying with data\$1 with both with (end\$1 or side\$1))	EPO; JPO	
_	7		USPAT;	2002/07/12 16:44
		349/\$.ccls.) and (applying with data\$1	EPO; JPO	
		with both with (end\$1 or side\$1))) not ((applying with data\$1 with both with		
		(end\$1 or side\$1)) and 345/\$.ccls.)		
-	173576	reverse\$1 with direction\$1	USPAT;	2002/07/12 16:45
_	4571	data with (reverse\$1 with direction\$1)	EPO; JPO USPAT;	2002/07/12 16:47
	"3/1	gara with (reserved) with directions!	EPO; JPO	2002/07/12 10:47
-	179	345/\$.ccls. and (data with (reverse\$1 with	USPAT;	2002/07/12 16:47
_	7115	direction\$1)) 345/87-103.ccls.	EPO; JPO USPAT;	2002/07/12 16:47
_	/113	343/07-103.0013.	EPO; JPO	2002/07/12 10:47
-	28	345/87-103.ccls. and (345/\$.ccls. and	USPAT;	2002/07/12 17:00
1_	,	(data with (reverse\$1 with direction\$1))) "5282234".PN.	EPO; JPO USPAT	2002/07/12 16:56
_	1 13	5282234 PN. 5282234 uref.	USPAT;	2002/07/12 16:56
			EPO; JPO	

-	66375	bi\$1direction\$2	USPAT; EPO; JPO	2002/07/12 17:07
-	17249	data with bi\$1direction\$2	USPAT; EPO; JPO	2002/07/12 17:08
-	49	345/87-103.ccls. and (data with bi\$1direction\$2)	USPAT; EPO; JPO	2002/07/12 17:08
-	62715	addressing	USPAT; EPO; JPO	2002/07/14 13:46
-	381	oppsite	USPAT; EPO; JPO	2002/07/14 13:46
-	1500136	opposite	USPAT; EPO; JPO	2002/07/14 13:46
-	630	opposite with addressing	USPAT; EPO; JPO	2002/07/14 13:47
-	2425	345/98-103.ccls.	USPAT; EPO; JPO	2002/07/14 13:47
-	24	345/98-103.ccls. and (opposite with addressing)	USPAT; EPO; JPO	2002/07/14 13:47
-	66470	bi\$direction\$2	USPAT; EPO; JPO	2002/07/14 14:45
-	1644903	data	USPAT; EPO; JPO	2002/07/14 14:46
-	14962		USPAT; EPO; JPO	2002/07/14 14:46
-	1583723	alternat\$4 or successiv\$3	USPAT; EPO; JPO	2002/07/14 14:47
-	193	(alternat\$4 or successiv\$3)	USPAT; EPO; JPO	2002/07/14 14:47
_	46158	345/\$.ccls.	USPAT; EPO; JPO	2002/07/14 14:48
-	8	((bi\$direction\$2 near8 data) near8 (alternat\$4 or successiv\$3)) and	USPAT; EPO; JPO	2002/07/14 15:02
_	19	345/\$.ccls. 4499459.uref.	USPAT;	2002/07/14 15:14
-	13	5282234.uref.	EPO; JPO USPAT; EPO; JPO	2002/07/14 15:26
-	768622	display	USPAT; EPO; JPO	2002/07/14 15:26
_	39077	display and 345/\$.ccls.	USPAT; EPO; JPO	2002/07/14 15:26
-	8	display and 5282234.uref.	USPAT; EPO; JPO	2002/07/14 15:27
-	5	5790626.uref.	USPAT; EPO; JPO	2002/07/14 15:29
-	2633	revers\$2 near5 scanning	USPAT; EPO; JPO	2002/07/14 15:50
_	104	(alternat\$4 or successiv\$3) near8 (revers\$2 near5 scanning)	USPAT; EPO; JPO	2002/07/14 15:30
_	17	1 '	USPAT; EPO; JPO	2002/07/14 15:39
-	41314	348/\$.ccls.	USPAT; EPO; JPO	2002/07/14 15:40
-	20	((alternat\$4 or successiv\$3) near8 (revers\$2 near5 scanning)) and 348/\$.ccls.	USPAT; EPO; JPO	2002/07/14 15:40
-	12099	revers\$2 near5 (data or addressing)	USPAT; EPO; JPO	2002/07/14 15:51
-	264	(alternat\$4 or successiv\$3) near8 (revers\$2 near5 (data or addressing))	USPAT; EPO; JPO	2002/07/14 15:51
_	6	348/\$.ccls. and ((alternat\$4 or successiv\$3) near8 (revers\$2 near5 (data	USPAT; EPO; JPO	2002/07/14 15:52
_	24	or addressing))) 4853775.uref.	USPAT;	2002/07/14 15:56
_	19	5089887.uref.	EPO; JPO USPAT;	2002/07/14 15:56
_	17	5089887.uref. not 4853775.uref.	EPO; JPO USPAT;	2002/07/14 15:58
-	o	((alternat\$4 or successiv\$3) near8	EPO; JPO USPAT;	2002/07/14 16:02
		(revers\$2 near5 scanning)) and 349/\$.ccls.	EPO; JPO	

_	246973		USPAT;	2002/07/14 16:03
	1650000	contrary or converse\$2) near8 direction\$1	EPO; JPO	2002/07/14 16:04
-	1659020	data or addressing	USPAT; EPO; JPO	2002/07/14 16:04
l _	3685	((invert\$1 or turn\$2 or change\$2 or	USPAT;	2002/07/14 16:04
		contrary or converse\$2) near8 direction\$1)	EPO; JPO	
		near8 (data or addressing)		
-	10		USPAT;	2002/07/14 16:05
		(((invert\$1 or turn\$2 or change\$2 or	EPO; JPO	1
		contrary or converse\$2) near8 direction\$1)		
		near8 (data or addressing))) and		
	70	(348/\$.ccls. or 345/\$.ccls.) (alternat\$4 or successiv\$3) near8	USPAT;	2002/07/14 16:11
-	/°	(((invert\$1 or turn\$2 or change\$2 or	EPO; JPO	2002/07/14 10:11
		contrary or converse\$2) near8 direction\$1)	210, 310	
		near8 (data or addressing))		
_	842816		USPAT;	2002/07/14 16:15
		direction\$1	US-PGPUB;	
			EPO; JPO;	
	540106		DERWENT	2002/07/14 16:22
-	548196	opposite or revers\$2	US-PGPUB; DERWENT	2002/01/14 10:22
_	117769	direction\$1 with (opposite or revers\$2)	US-PGPUB;	2002/07/14 16:16
	-1.,05	(**************************************	DERWENT	
-	1187	1	US-PGPUB;	2002/07/14 16:17
		revers\$2))	DERWENT	0000 (07 (7)) 7
-	193010	alternat\$4	US-PGPUB;	2002/07/14 16:17
	26	/data with /direction(1 with /opposite an	DERWENT US-PGPUB;	2002/07/14 16:22
-	26	(data with (direction\$1 with (opposite or revers\$2))) with alternat\$4	DERWENT	2002/07/14 16:22
l _	88021		USPAT;	2002/07/14 16:23
			US-PGPUB;	
			EPO; JPO	
-	1867767	opposite or revers\$2	USPAT;	2002/07/14 16:23
			US-PGPUB;	
	1002002	-14	EPO; JPO USPAT;	2002/07/14 16:23
-	1203903	alternat\$4	US-PGPUB;	2002/07/14 10.23
-			EPO; JPO	
-	80	(data with scan\$4) with (opposite or	USPAT;	2002/07/14 16:28
		revers\$2) with alternat\$4	US-PGPUB;	
			EPO; JPO	
-	2513776	direction	USPAT;	2002/07/14 16:28
			US-PGPUB; EPO; JPO	
_	1886	direction with scan\$4 with alternat\$4	USPAT;	2002/07/14 16:29
1			US-PGPUB;	, , = : = : = :
			EPO; JPO	
-	231		USPAT;	2002/07/14 16:29
	1	with (opposite or revers\$2)	US-PGPUB;	
	40400	245/6 0010	EPO; JPO	2002/07/14 16:30
-	49488	345/\$.ccls.	USPAT; US-PGPUB;	2002/01/14 10:30
			EPO; JPO	
-	13	345/\$.ccls. and ((direction with scan\$4	USPAT;	2002/07/14 17:02
		with alternat\$4) with (opposite or	US-PGPUB;	
		revers\$2))	EPO; JPO	0000/07/7
-	0	5872563.uref.	USPAT;	2002/07/14 17:03
			US-PGPUB; EPO; JPO	
1_	2	5872563.pn.	USPAT;	2002/07/14 17:07
_	2	, 30,2303.pm.	US-PGPUB;	
			EPO; JPO	
-	1	"5404151".PN.	USPAT	2002/07/14 17:03
-	1		USPAT	2002/07/14 17:04
-	1		USPAT	2002/07/14 17:05
-	9042	right near4 scan\$4	USPAT; US-PGPUB;	2002/07/14 17:07
			EPO; JPO	
-	8173	left near4 scan\$4	USPAT;	2002/07/14 17:07
		·	US-PGPUB;	
			EPO; JPO	<u> </u>

			_	
-	2	altertnat\$4	USPAT; US-PGPUB;	2002/07/14 17:08
-	1203903	alternat\$4	EPO; JPO USPAT; US-PGPUB;	2002/07/14 17:08
-	118	(right near4 scan\$4) with (left near4 scan\$4) with alternat\$4	EPO; JPO USPAT; US-PGPUB;	2002/07/14 17:08
-	49488	345/\$.ccls.	EPO; JPO USPAT; US-PGPUB;	2002/07/14 17:08
-	13	345/\$.ccls. and ((right near4 scan\$4) with (left near4 scan\$4) with alternat\$4)	EPO; JPO USPAT; US-PGPUB; EPO; JPO	2002/07/14 17:27
	١,	"5151689".PN.		2002/07/14 17:10
-	1		USPAT	2002/07/14 17:10
-	0	jp-88261326-\$.did.	DERWENT	2002/07/14 17:19
-	1	jp-63261326-\$.did.	DERWENT	2002/07/14 17:19
-	28144	cross\$2talk\$1	USPAT; US-PGPUB; EPO; JPO	2002/07/14 17:51
_	3228	reverse near5 scan\$4	USPAT; US-PGPUB; EPO; JPO	2002/07/14 17:52
-	7	cross\$2talk\$1 same (reverse near5 scan\$4)	USPAT; US-PGPUB; EPO; JPO	2002/07/14 17:55
_	14291	cross adj3 talk\$1	USPAT; US-PGPUB; EPO; JPO	2002/07/14 17:56
_	614681	reverse\$1	USPAT; US-PGPUB; EPO; JPO	2002/07/14 17:56
-	465	(cross adj3 talk\$1) with scan\$4	USPAT; US-PGPUB; EPO; JPO	2002/07/14 17:57
-	7751	reverse\$1 with scan\$4	USPAT; US-PGPUB; EPO; JPO	2002/07/14 17:57
-	21	((cross adj3 talk\$1) or cross\$2talk\$1) with (reverse\$1 with scan\$4)	USPAT; US-PGPUB; EPO; JPO	2002/07/14 18:09
-	88870	different near5 direction\$1	USPAT; US-PGPUB; EPO; JPO	2002/07/14 18:10
-	5425	(data or scan\$4) with (different near5 direction\$1)	USPAT; EPO; JPO	2002/07/14 18:12
-	121	(different near5 direction\$1))	USPAT; EPO; JPO	2002/07/14 18:12
-	46158	345/\$.ccls.	USPAT; EPO; JPO	2002/07/14 18:13
_	4	(alternat\$4 with ((data or scan\$4) with (different near5 direction\$1))) and 345/\$.ccls.	USPAT; EPO; JPO	2002/07/14 18:15
-	2	5894269.pn.	USPAT; EPO; JPO	2002/07/14 18:16
-	2	5894296.pn.	USPAT; EPO; JPO	2002/07/15 08:13
-	1	"5682175". PN.	USPAT	2002/07/14 18:16
-	1	"5282234".PN.	USPAT	2002/07/14 18:17
-	1	"5191450".PN.	USPAT	2002/07/14 18:17
-	1	"4931787".PN.	USPAT	2002/07/14 18:19
-	12179		USPAT; EPO; JPO	2002/07/15 08:14
-	12126	, ,	USPAT; EPO; JPO	2002/07/15 08:14
_	1203874	alternat\$4	USPAT; EPO; JPO	2002/07/15 08:14
-	64	leftwardly with rightwardly with alternat\$4	USPAT; EPO; JPO	2002/07/15 08:14
_	7115	345/87-103.ccls.	USPAT; EPO; JPO	2002/07/15 08:14

_	0	(leftwardly with rightwardly with	USPAT;	2002/07/15 08:14
		alternat\$4) and 345/87-103.ccls.	EPO; JPO	1
-	31464	leftward	USPAT;	2002/07/15 08:15
1	01.0.		EPO; JPO	2002/07/13 00:13
	20251			0000/07/15 00 15
-	29251	rightward	USPAT;	2002/07/15 08:15
İ			EPO; JPO	
i -	179	leftward with rightward with alternat\$4	USPAT;	2002/07/15 08:15
			EPO; JPO	
l <u>-</u>	2	345/87-103.ccls. and (leftward with	USPAT;	2002/07/15 08:22
		rightward with alternat\$4)	EPO; JPO	2002/07/13 00.22
	1 ,,			0000 (07 (15 00 00)
-	12	4917468.uref.	USPAT;	2002/07/15 08:22
			EPO; JPO	
-	204558	right adj3 left	USPAT;	2002/07/15 08:42
			EPO; JPO	
i _	189145	left adj right	USPAT;	2002/07/15 08:42
		1 222 447 129.00	EPO; JPO	2002/07/13 00:42
	220075			0000 (07 (15 00 10
-	320875	sequentially	USPAT;	2002/07/15 08:42
			EPO; JPO	
-	1469	(sequentially or alternat\$4) with (left	USPAT;	2002/07/15 08:43
		adj right) with sequentially	EPO; JPO	
_	593		USPAT;	2002/07/15 08:43
		adj right) with (right adj3 left)		2002/07/13 00:43
	1 -	auj right, with (right adjo left)	EPO; JPO	0000/07/55 55 55
-	6	345/87-103.ccls. and ((sequentially or	USPAT;	2002/07/15 09:01
		alternat\$4) with (left adj right) with	EPO; JPO	
		(right adj3 left))		1
_	l 0	1996-fr00259.ap.	DERWENT	2002/07/15 09:02
_	Ĭ	1996fr-00259.ap.	1	2002/07/15 09:02
_	1		DERWENT	
-	0	1996fr-259.ap.	DERWENT	2002/07/15 09:02
-	1	1996fr-0000259.ap.	DERWENT	2002/07/15 09:06
-	0	wo5725706	USPAT;	2002/07/15 09:07
			EPO; JPO	
_	l 0	wo-5725706		2002/07/15 00:07
	1	110 0120100	USPAT;	2002/07/15 09:07
	1	5005006	EPO; JPO	1
_	0	wo-5725706	EPO	2002/07/15 09:07
1 -	1	"5725706 "	EPO	2002/07/15 09:08
-	0	wo5725706	EPO	2002/07/15 09:08
-	1	"9725706"	EPO	2002/07/15 09:09
1_	7295	1		
-			EPO	2002/07/15 09:09
-	5550	right adj3 left	EPO	2002/07/15 09:09
-	26080	scanning	EPO	2002/07/15 09:09
-	23	(left adj3 right) and (right adj3 left)	EPO	2002/07/15 09:16
		and scanning		
1_	1	de-3630779-\$.did.	DEDMENT	2002/07/15 00:05
1_	43887	1	DERWENT	2002/07/15 09:25
1 -		1	JPO	2002/07/15 09:25
~	66321		JPO	2002/07/15 09:25
-	88994		JPO	2002/07/15 09:25
-	153		JPO	2002/08/08 16:46
		and scanning		,,
-	0	jp-97116835-\$.did.	DEDMENT	2002/07/15 12:12
1_	_		DERWENT	2002/07/15 12:18
1 -	1	jp-09116835-\$.did.	DERWENT	2002/07/15 18:08
1 -	1	6011547.pn.	DERWENT	2002/07/15 18:09
-	1	6011547.pn.	USPAT;	2002/07/16 11:13
			EPO; JPO	
-	241	benchmarking	USPAT;	2002/07/16 11:43
	231	- Delicinia Entity	· ·	2002/0//10 11:43
1		1, , , , , , , , , , , , , , , , , , ,	EPO; JPO	
-	15	benchmarking.ti.	USPAT;	2002/07/16 12:07
1			EPO; JPO	
[-	1	G06F adj "17/60"	USPAT;	2002/07/16 12:09
1	1		EPO; JPO	
l _	0	G06F17/60	· ·	2002/07/15 12:00
1	l '	G0011/00	USPAT;	2002/07/16 12:09
1			EPO; JPO	1 · · · · · · · · · · · · · · · · · · ·
-	242	G06F	USPAT;	2002/07/16 12:11
			EPO; JPO	
-	190	345/103.ccls.	JPO	2002/08/08 16:47
_	6051		JPO	
l _		· ·		2002/08/08 16:47
-	0	345/103.ccls. and bi\$3directiona\$2	JPO	2002/08/08 16:47
-	1323	bi near4 direction\$2	JPO	2002/08/08 16:48
-	72202	bi\$3direction\$2	USPAT;	2002/08/08 16:48
			US-PGPUB;	
			EPO; JPO	
			LLU, UEU	

				1
-	414	345/103.ccls.	USPAT;	2002/08/08 16:48
			US-PGPUB;	
			EPO; JPO	
-	5	bi\$3direction\$2 and 345/103.ccls.	USPAT;	2002/08/08 16:50
			US-PGPUB;	
			EPO; JPO	
-	414	345/103.ccls. and pd>07002002	USPAT;	2002/08/08 16:51
		_	US-PGPUB;	
			EPO; JPO	
-	414	345/103.ccls. and @pd>07002002	USPAT;	2002/08/08 16:51
		•	US-PGPUB;	
			EPO; JPO	
- '	414	345/103.ccls. and @pd>07012002	USPAT;	2002/08/08 16:53
		Story and the open systems	US-PGPUB;	=00=,00,00 =0.00
			EPO; JPO	
l -	1		USPAT	2002/08/08 16:53
l _	أ أ	altrnat\$5 near6 data	USPAT;	2002/08/08 16:54
		dicinacyo nearo data	US-PGPUB;	2002/00/00 10.54
			EPO; JPO	
1_	51574	alternat\$5 near6 data	USPAT;	2002/08/08 16:54
_	313/4	alternaty5 heard data	·	2002/06/06 16:54
			US-PGPUB;	
	34	(alternat\$5 near6 data) and 345/103.ccls.	EPO; JPO	2002/00/00 16 57
-	34	(alternates heard data) and 345/103.ccis.	USPAT;	2002/08/08 16:57
	22201		EPO; JPO	0000/00/00 16 57
-	22301	zigzag	USPAT;	2002/08/08 16:57
		1 245 /102	EPO; JPO	000040040040
-	2	zigzag and 345/103.ccls.	USPAT;	2002/08/08 17:09
	005060		EPO; JPO	
-	205268	right adj3 left	USPAT;	2002/08/08 17:10
			EPO; JPO	
-	236380	left adj3 right	USPAT;	2002/08/08 17:10
			EPO; JPO	
-	66076	(right adj3 left) and (left adj3 right)	USPAT;	2002/08/08 17:10
		0.5/05.400	EPO; JPO	
-	7141	345/87-103.ccls.	USPAT;	2002/08/08 17:11
			EPO; JPO	
-	126	((right adj3 left) and (left adj3 right))	USPAT;	2002/08/08 18:52
		and 345/87-103.ccls.	EPO; JPO	
-	423991	opposite near5 direction\$2	USPAT;	2002/08/08 18:54
			US-PGPUB;	
			EPO; JPO	
-	1723042	data	USPAT;	2002/08/08 18:54
			US-PGPUB;	
1	1		EPO; JPO	
-	3381	(opposite near5 direction\$2) near6 data	USPAT;	2002/08/08 18:54
1	1		US-PGPUB;	
1	1		EPO; JPO	
-	26	((opposite near5 direction\$2) near6 data)	USPAT;	2002/08/08 18:55
		and 345/87-103.ccls.	US-PGPUB;	
	1		EPO; JPO	